DOCKET NO: 244925US8

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :

TAKATOSHI OKAGAWA, ET AL. : EXAMINER: MOHAMMAD ADHAMI

SERIAL NO: 10/700,513 :

FILED: NOVEMBER 5, 2003 : GROUP ART UNIT: 2471

FOR: COMMUNICATION CONTROL :
SYSTEM, COMMUNICATION CONTROL
METHOD, ROUTING CONTROLLER
AND ROUTER SUITABLY USED FOR
THE SAME

STATEMENT OF SUBSTANCE OF INTERVIEWS
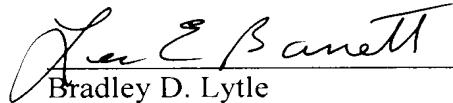
COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Examiner Mohammad Adhami contacted the undersigned Applicants' representative Lee Barrett on November 9, 2011, regarding an Examiner's Amendment to make clarifying amendments to independent claims 8, 14, and 16 to put the case in condition for allowance. After a detailed discussion, Applicants' representative prepared and sent proposed amendments to Examiner Adhami. On November 10, 2011, Examiner Adhami and Applicants' representative conducted another telephone interview and Examiner Adhami agreed that the proposed amendments overcame his objections to the claim language. A copy of the proposed amendments, as agreed upon, are attached to this Statement of Substance of Interview. Applicants' representative forwarded the proposed amendments to the Client for approval. Applicant's representative notified Examiner Adhami on November 17, 2011, that the amendments had been approved and may be entered as an Examiner's Amendment.

Applicants respectfully submit that the statement above and the attached proposed

amendments substantially summarize the substance of the interviews with Examiner Adhami

in accordance with MPEP § 713.04.

Respectfully submitted,

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PROPOSED AMENDMENTS PURSUANT TO TELEPHONE
INTERVIEWS OF NOVEMBER 9 AND 10, 2011, IN SERIAL NO. 10/700,513

Please amend the claims as follows:

1-7. (Canceled)

8. (Currently amended) A communication control system comprising:

a routing controller configured to switch a routing path between routers from a first routing path to a second routing path;

a first router located on the second routing path; and

a second router located on a demarcation point of the first routing path and the second routing path; wherein,

the routing controller includes

a trigger receiver configured to receive ~~a trigger indicating a congestion or a occurrence of failure on the first routing path, or to receive~~ a trigger indicating a need to route via the first router in a case where the first router has a service control function including an accounting function, a monitoring function or a media converting function;

an address information provision requester configured to <u>send a</u> request <u>to the first router to provide</u> ~~provision of~~ address conversion information ~~to the first router~~ in accordance with reception of the trigger;

an address conversion information creation requester configured to <u>send a</u> request <u>to the second router to create</u> ~~creation of~~ first address conversion information, which associates a destination address of received data with an IP address of the first router, for converting data destined for a destination terminal to data destined for the first router, and to <u>send a</u> request <u>to the first router to create</u> ~~creation of~~ second address conversion information

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for converting data destined for the first router to data destined for the destination terminal, based on the address conversion information acquired from the first router;

an address conversion information change requester configured to send a request to the second router to change the first address conversion information; and

an address conversion information deletion requestor configured to send a request to the second router to delete the first address conversion information; and

the first router including

a address conversion information provider configured to provide [[the]] address conversion information to the routing controller in accordance with [[a]] the request to provide address conversion information sent from the routing controller;

a first address conversion information manager configured to create and manage the second address conversion information in accordance with the request to create second address conversion information from the routing controller;

a first address converter configured to convert a destination address of received data based on the second address conversion information; and

a first routing processor configured to perform a routing processing of the data converted by the first address converter; and

the second router including

a second address conversion information manager configured to create and manage the first address conversion information in accordance with the request to the second router to create first address conversion information and the request to the second router to change the first address conversion information from the routing controller;

a second address converter configured to convert a destination address of received data based on the first address conversion information by encapsulating the destination address of the received data with the IP address of the first router;

a second routing processor configured to perform a routing processing of the

data converted by the second address converter using the IP address of the first router; and

an address conversion information deletion permission requester configured to

request the routing controller to permit deletion of the first address conversion information,

wherein the second address conversion information manager is configured to delete the first

address conversion information upon receiving the deleting permission from the routing

controller.

9-13. (Canceled)

14. (Currently amended) A routing controller configured to switch a routing path

between routers from a first routing path to a second routing path, the routing controller

comprising:

a trigger receiver configured to receive ~~a trigger indicating a congestion or a~~

~~occurrence of failure on the first routing path, or to receive~~ a trigger indicating a need to route

via the first router <u>on the second routing path</u> in a case where the first router has a service

control function including an accounting function, a monitoring function or a media

converting function;

an address information provision requester configured to <u>send a</u> request <u>to the first</u>

<u>router to provide</u> ~~provision of~~ address conversion information ~~to the first router~~ in accordance

with reception of the trigger;

an address conversion information creation requester configured to <u>send a</u> request <u>to a</u>

<u>second router, which is located on a demarcation point of the first routing path and the second</u>

<u>routing path, to create</u> ~~creation of~~ first address conversion information<u>,</u> which associates a

destination address of received data with an IP address of the first router, for converting data

destined for a destination terminal to data destined for the first router, and to <u>send a</u> request <u>to</u>

<u>the first router to create</u> ~~creation of~~ second address conversion information for converting

data destined for the first router to data destined for the destination terminal, based on the

address conversion information acquired from the first router;

an address conversion information change requester configured to <u>send a</u> request <u>to</u>

<u>the</u> [[a]] second router~~, which is located on a demarcation point of the first routing path and~~

~~the second routing path,~~ to change the first address conversion information; and

an address conversion information deletion requestor configured to request the second

router to delete the first address conversion information.

15. (Canceled)

16. (Currently amended) A communication control method <u>for</u> ~~comprising:~~

switching, by a routing controller, a routing path between routers from a first routing

path to a second routing path, wherein a first router is located on the second routing path, and

a second router is located on a demarcation point of the first routing path and the second

routing path<u>, comprising</u>;

receiving, at the routing controller, a trigger indicating ~~a congestion or a occurrence of~~

~~failure on the first routing path, or a trigger indicating~~ a need to route via the first router in a

case where the first router has a service control function including an accounting function, a

monitoring function or a media converting function;

<u>sending a request,</u> ~~requesting,~~ by the routing controller, <u>to the first router to provide</u>

~~provision of~~ address conversion information ~~to the first router~~ in accordance with reception of

the trigger;

sending a request, requesting, by the routing controller, to the second router to create creation of first address conversion information, which associates a destination address of received data with an IP address of the first router, for converting data destined for a destination terminal to data destined for the first router, and sending a request to the first router to create requesting creation of second address conversion information for converting data destined for the first router to data destined for the destination terminal, based on the address conversion information acquired from the first router;

providing, from the first router, [[the]] address conversion information to the routing controller in accordance with [[a]] the request to provide address conversion information from the routing controller;

creating and managing, by the first router, the second address conversion information in accordance with the request to create second address conversion information from the routing controller;

converting, by the first router, a destination address of received data based on the second address conversion information;

performing, by the first router, a routing processing of the data converted by the first address converter;

creating and managing, by the second router, the first address conversion information in accordance with the request to create first address conversion information from the routing controller;

converting, by the second router, a destination address of received data based on the first address conversion information by encapsulating the destination address of the received data with the IP address of the first router;

performing, by the second router, a routing processing of the data converted by the second address converter using the IP address of the first router; and

requesting, by the routing controller, the second router to delete the first address

conversion information.

17. (Canceled)